Resource Summary Report

Generated by dkNET on Jul 30, 2026

NOD.Cg-Prkdc^{scid} Il2rg Tg(CMV-IL3.CSF2.KITLG)1Eav/MloySzJ

RRID:IMSR_JAX:013062
Type: Organism

Proper Citation

RRID:IMSR_JAX:013062

Organism Information

URL: https://www.jax.org/strain/013062

Proper Citation: RRID:IMSR_JAX:013062

Description: Mus musculus with name NOD.Cg-Prkdc^{scid} Il2rg Tg(CMV-IL3.CSF2.KITLG)1Eav/MloySzJ from IMSR.

Species: Mus musculus

Synonyms: NSGS. NSG-SGM3

Notes: gene symbol note: KIT ligand|protein kinase; DNA activated; catalytic polypeptide|colony stimulating factor 2|cytomegalovirus|interleukin 3|interleukin 2 receptor; gamma chain|transgene insertion 1; CJ Eaves; mutant strain|congenic strain: KITLG|Prkdc|CSF2|CMV|IL3|Il2rg|Tg(CMV-IL3;CSF2;KITLG)1Eav

Affected Gene: KIT ligand|protein kinase; DNA activated; catalytic polypeptide|colony stimulating factor 2|cytomegalovirus|interleukin 3|interleukin 2 receptor; gamma chain|transgene insertion 1; CJ Eaves

Genomic Alteration: transgene insertion 1; CJ Eaves|severe combined immunodeficiency|targeted mutation 1; Warren J Leonard

Catalog Number: JAX:013062

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NOD.Cg-Prkdc^{scid} Il2rg Tg(CMV-IL3.CSF2.KITLG)1Eav/MloySzJ

Record Creation Time: 20250513T053723+0000

Record Last Update: 20260725T044433+0000

Ratings and Alerts

- Used for stem cell-derived cell line by the Human Islet Research Network community. Contact(s): Michael Brehm, James Keck - Human Islets Research Network https://hirnetwork.org/

No alerts have been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(CMV-IL3.CSF2.KITLG)1Eav/MloySzJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 131 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Pereira-Martins DA, et al. (2026) ??Np73 isoform defines a TP53-mutant-like poor-risk subgroup of acute myeloid leukemia. Cell reports. Medicine, 102540.

Conrad C, et al. (2025) Decoding functional hematopoietic progenitor cells in the adult human lung. Blood, 145(18), 1975.

Allanach JR, et al. (2025) Epstein-Barr virus infection promotes T cell dysregulation in a humanized mouse model of multiple sclerosis. Science advances, 11(10), eadu5110.

Xiong T, et al. (2025) CAR-T cells targeting CD155 reduce tumor burden in preclinical models of leukemia and solid tumors. The Journal of clinical investigation, 135(15).

Cao W, et al. (2025) A next-generation anti-CTLA-4 probody mitigates toxicity and enhances anti-tumor immunity in mice. Nature communications, 16(1), 9029.

McDonald-Hyman C, et al. (2025) Acetyl-CoA carboxylase 1 inhibition increases Treg metabolism and graft-versus-host disease treatment efficacy via mitochondrial fusion. The Journal of clinical investigation, 135(23).

Nakamura E, et al. (2025) Association of microtubule destabilization with platelet yields in terminally differentiating hiPSC-derived megakaryocyte lines. PloS one, 20(6), e0326165.

Phung CD, et al. (2025) Combination of KRAS ASO and RIG-I agonist in extracellular vesicles transforms the tumor microenvironment towards effective treatment of KRAS-

dependent cancers. Theranostics, 15(14), 6818.

Fuchs V, et al. (2025) Characterization of the xeno-GVHD response generated by advanced lung cancer patient peripheral blood mononuclear cells in NSG-SGM3 mice. Translational lung cancer research, 14(4), 1301.

Dai Z, et al. (2025) Off-the-shelf invariant NKT cells expressing anti-PSCA CAR and IL-15 promote pancreatic cancer regression in mice. The Journal of clinical investigation, 135(8).

Chen TC, et al. (2025) Potent Therapeutic Activity of NEO212 in Preclinical Models of Human and Canine Leukaemia and Lymphoma. Veterinary and comparative oncology, 23(3), 412.

Burov A, et al. (2025) Next-generation cell lines for profiling different proteasome forms and their implications in cancer. Frontiers in immunology, 16, 1672000.

Sajadi MM, et al. (2025) A comprehensive engineering strategy improves potency and manufacturability of a near pan-neutralizing antibody against HIV. Structure (London, England : 1993), 33(7), 1150.

Lin EV, et al. (2025) Engrafted NSG-SGM3 humanized mice spontaneously produce human immunoglobulins including IgE. Frontiers in immunology, 16, 1628194.

Jang TY, et al. (2025) Dysadherin/YAP axis fuels stem plasticity and immune escape in liver cancer. Signal transduction and targeted therapy, 10(1), 421.

Vick EJ, et al. (2025) Targeting of IRAK4 and GSPT1 enhances therapeutic efficacy in AML via c-Myc destabilization. Leukemia, 39(9), 2163.

Li M, et al. (2025) Promotion of HIV clearance by sensitization of HIV reservoirs to cell death. Frontiers in immunology, 16, 1600741.

Pal P, et al. (2025) Establishment of a reverse genetics system for studying human immune functions in mice. Science advances, 11(28), eadu1561.

Zhang D, et al. (2025) FLT3L-based drug conjugate effectively targets chemoresistant leukemia stem cells in acute myeloid leukemia. Cell reports. Medicine, 102365.

Zhang C, et al. (2025) Oligomeric cystatin C supports the immunosuppressive activity of myeloid cells through interaction with inhibitory receptors. Signal transduction and targeted therapy, 10(1), 368.